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	Application No.	Applicant(s)
Notice of Allowability	10/813,625	SAITO, KAORI
	Examiner	Art Unit
	Marie R. Yamnitzky	1774
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS Is herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in this a 5) or other appropriate communication RIGHTS. This application is subject	pplication. If not included on will be mailed in due course. THIS
1. X This communication is responsive to Amendment filed Ap	pril 13, 2007.	
2. X The allowed claim(s) is/are 1, 3-8, 10 and 11 (renumbere	ed as 1-9, respectively).	
a) Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which git including changes required by the Notice of Draftspee 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in the department of the paper No. The department of the departme	ve been received. ve been received in Application No. documents have been received in this er of this communication to file a replanement of this application. mitted. Note the attached EXAMINE ives reason(s) why the oath or declar ust be submitted. erson's Patent Drawing Review (PTG er's Amendment / Comment or in the case of the header according to 37 CFR 1.12 posit of BIOLOGICAL MATERIAL	s national stage application from the ly complying with the requirements R'S AMENDMENT or NOTICE OF ration is deficient. D-948) attached Office action of wings in the front (not the back) of 1(d). must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	Paper No./Mail I 7. ⊠ Examiner's Amen	ry (PTO-413), Date <u>04302007</u> .
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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Nathaniel McQueen on April 30, 2007.

No extension of time is required to make this examiner's amendment because the amendment includes a change necessary to overcome an issue under 35 U.S.C. 112, second paragraph, that was not previously noted by the examiner.

Claims 1, 3 and 11 have been amended as shown in the following complete listing of claims:

1. (Currently amended) A compound for light emitting device having a molecular structure expressed by the following formula (1):

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wherein at least one out of R1 to R8 is a substituent containing boron; the others are each a hydrogen atom or a substituent; L is a ligand; M is a metal; m represents an integer from 0 to 4; n represents an integer from 1 to 3; and

said substituent containing boron is expressed by the following formula (2):

$$-B \stackrel{R11}{\swarrow} \cdots (2)$$

wherein R11 and R12 are identical to or different from each other, each being a hydrogen atom or a substituent.

- 2. (Cancelled)
- 3. (Currently amended) The compound for light emitting device according to elaim 2 claim 1, wherein said R11 and R12 are each a mesityl group.
- 4. (Original) The compound for light emitting device according to claim 1, wherein said L is a ligand selected from the group consisting of a halogen ligand, a carboxylic acid ligand, an imine ligand, a nitrogen-containing heterocyclic ligand, a diketone ligand, a phosphorus ligand, an isocyanide ligand, an ortho carbometallation ligand, a hexafluorophosphine ligand, a cyclopentadienyl ligand, and a carbon monoxide ligand.

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5. (Original) The compound for light emitting device according to claim 1, wherein said L is a ligand selected from the group consisting of a picolinic acid ligand, a salicylic acid ligand, a salicylimine ligand, an acetylacetone ligand, and an ortho carbometallation ligand.

- 6. (Original) The compound for light emitting device according to claim 1, wherein said M is a metal selected from the group consisting of iridium, platinum, palladium, rhodium, and rhenium.
- 7. (Original) The compound for light emitting device according to claim 1, wherein said R1 and R3 to R8 are each a hydrogen atom.
- 8. (Previously presented) An organic light emitting device comprising:

a hole injection electrode;

an electron injection electrode;

a light emitting layer provided between said hole injection electrode and said electron injection electrode, wherein

said light emitting layer contains an organic compound having a molecular structure expressed by the following formula (1):

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wherein at least one out of R1 to R8 is a substituent containing boron; the others are each a hydrogen atom or a substituent; L is a ligand; M is a metal; m represents an integer from 0 to 4; n represents an integer from 1 to 3; and

said light emitting layer contains a host material and said organic compound expressed by said formula (1),

the content of said organic compound being not less than 0.1% nor more than 30% by weight of said host material.

9. (Cancelled)

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10. (Previously presented) The organic light emitting device according to claim 8, wherein said host material is 4,4'-N,N'-dicarbazole-1,1'-biphenyl having a molecular structure expressed by the following formula (3)

11. (Currently amended) An organic light emitting device comprising:

a hole injection electrode;

an electron injection electrode;

a carrier transport layer provided between said hole injection electrode and said electron injection electrode; and

a light emitting layer provided between said hole injection electrode and said electron injection electrode, wherein

at least one of said carrier transport layer and said light emitting layer contains an organic compound having a molecular structure expressed by the following formula (1):

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$$\begin{array}{c|c}
R6 & R8 \\
R5 & N & M & (L)_m & \cdots & (1) \\
R4 & R3 & R1 & n
\end{array}$$

wherein at least one out of R1 to R8 is a substituent containing boron; the others are each a hydrogen atom or a substituent; L is a ligand; M is a metal; m represents an integer from 0 to 4; n represents an integer from 1 to 3; and

said substituent containing boron is expressed by the following formula (2):

$$-B \stackrel{R11}{\swarrow} \cdots (2)$$

wherein R11 and R12 are identical to or different from each other, each being a hydrogen atom or a substituent.

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Claim 1 has been amended to clarify which substituent is "said substituent".

Claim 3 has been amended to correct an error in claim dependency introduced by the amendment filed April 13, 2007.

The amendment to independent claim 11 overcomes the rejection of claim 11 under 35 U.S.C. 103(a) based on Ikehira et al. (US 2002/0193532 A1). The rejection of claims 1 and 4-8 under 35 U.S.C. 103(a) based on the Ikehira reference was overcome by the amendment to independent claims 1 and 8 in the amendment filed April 13, 2007.

Any inquiry concerning this communication should be directed to Marie R. Yamnitzky at telephone number (571) 272-1531. The examiner works a flexible schedule but can generally be reached at this number from 7:00 a.m. to 3:30 p.m. Monday-Friday.

The current fax number for all official faxes is (571) 273-8300. (Unofficial faxes to be sent directly to examiner Yamnitzky can be sent to (571) 273-1531.)

MRY April 30, 2007

> MARIE YAMNITZKY PRIMARY EXAMINER

Marie R. Gannitaky

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